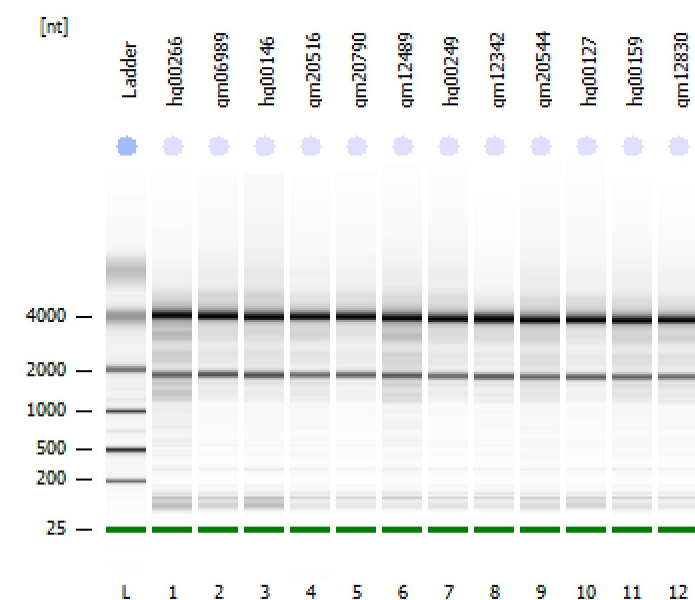


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-11_10-57-46.xad

Created: 10/11/2011 10:57:45 AM
Modified: 10/11/2011 11:20:52 AM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE04105537 Firmware: C.01.069
Serial#: DE04105537 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

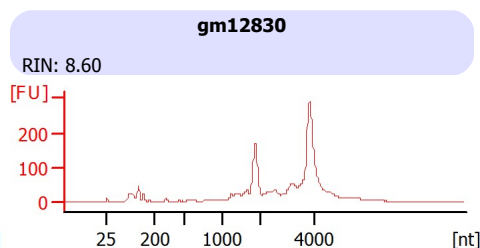
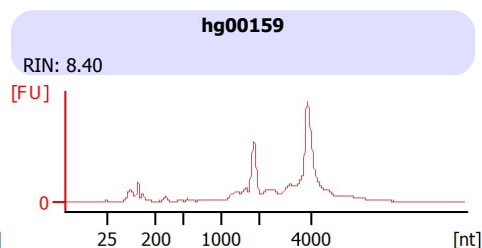
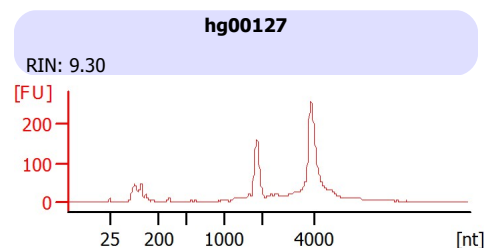
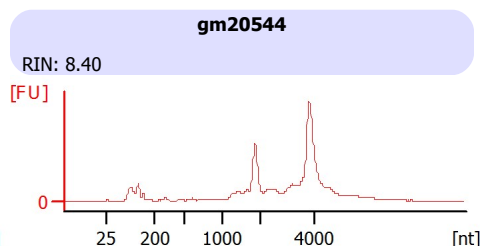
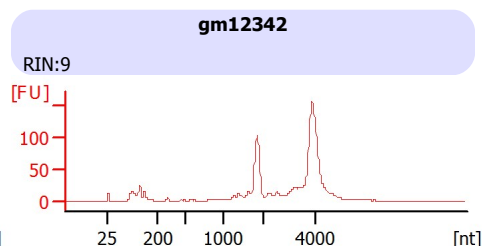
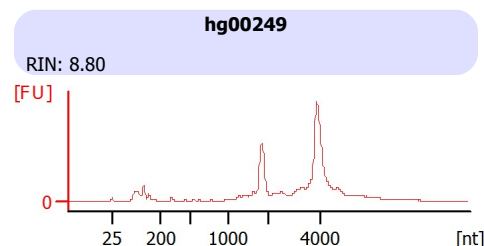
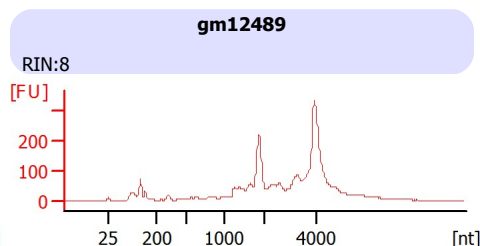
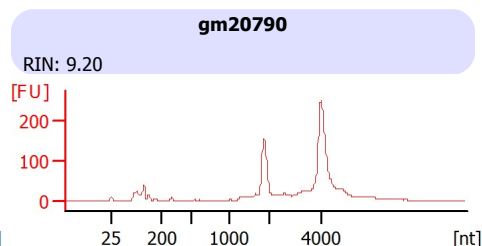
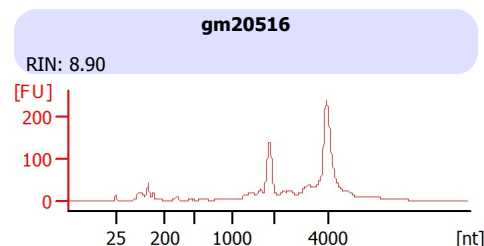
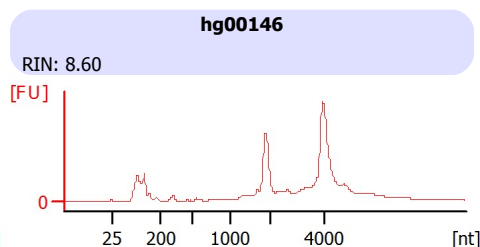
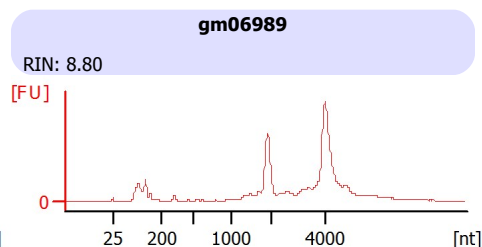
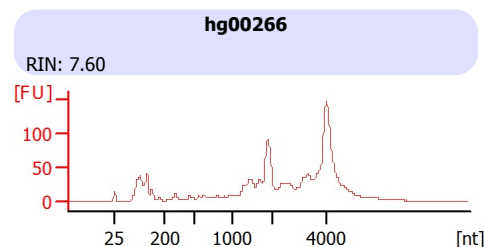
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-11_10-57-46.xad

Created: 10/11/2011 10:57:45 AM
Modified: 10/11/2011 11:20:52 AM

Electrophoresis File Run Summary (Chip Summary)

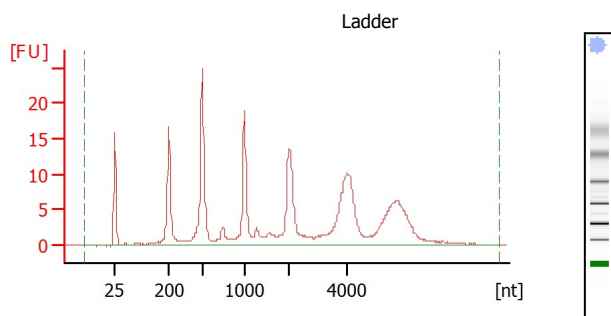
Sample Name	Sample Comment	Status	Result Label	Result Color
hg00266		✓	RIN: 7.60	
gm06989		✓	RIN: 8.80	
hg00146		✓	RIN: 8.60	
gm20516		✓	RIN: 8.90	
gm20790		✓	RIN: 9.20	
gm12489		✓	RIN:8	
hg00249		✓	RIN: 8.80	
gm12342		✓	RIN:9	
gm20544		✓	RIN: 8.40	
hg00127		✓	RIN: 9.30	
hg00159		✓	RIN: 8.40	
gm12830		✓	RIN: 8.60	
Ladder		✓	All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-11_10-57-46.xad

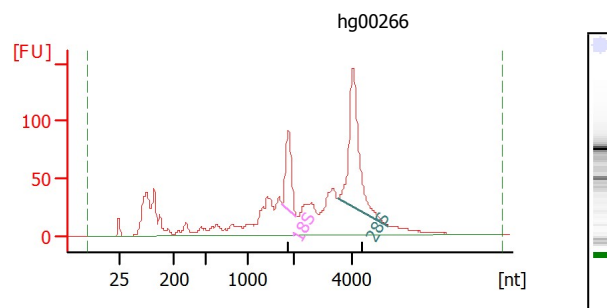
Created: 10/11/2011 10:57:45 AM
 Modified: 10/11/2011 11:20:52 AM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 250.6
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

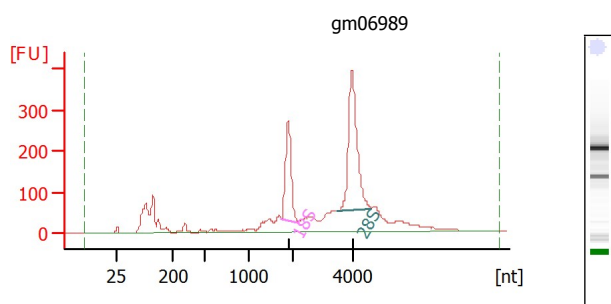


Overall Results for sample 1 : hg00266

RNA Area: 1,778.4
 RNA Concentration: 1,064 ng/μl
 rRNA Ratio [28s / 18s]: 2.6
 RNA Integrity Number (RIN): 7.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.60

Fragment table for sample 1 : hg00266

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,748	2,102	121.7	6.8
28S	3,510	5,217	318.4	17.9

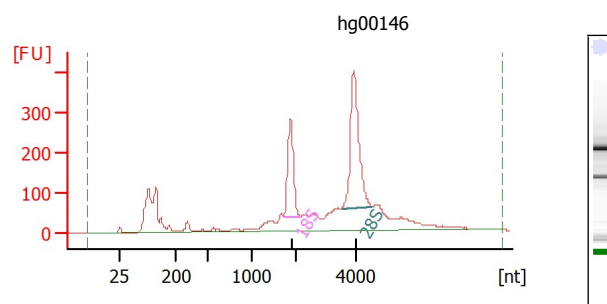


Overall Results for sample 2 : gm06989

RNA Area: 3,367.6
 RNA Concentration: 2,015 ng/μl
 rRNA Ratio [28s / 18s]: 1.7
 RNA Integrity Number (RIN): 8.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.80

Fragment table for sample 2 : gm06989

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,743	2,191	446.8	13.3
28S	3,519	4,636	774.0	23.0



Overall Results for sample 3 : hg00146

RNA Area: 3,768.3
 RNA Concentration: 2,255 ng/μl
 rRNA Ratio [28s / 18s]: 1.7
 RNA Integrity Number (RIN): 8.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.60

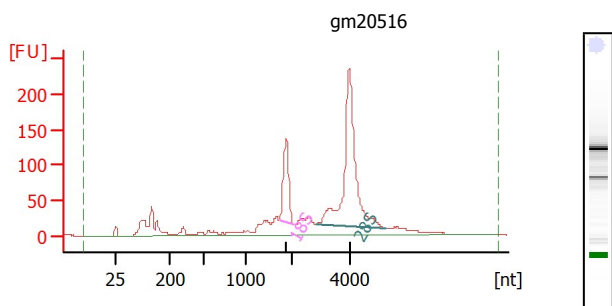
Fragment table for sample 3 : hg00146

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,724	2,162	452.3	12.0
28S	3,533	4,593	770.1	20.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-11_10-57-46.xad

Created: 10/11/2011 10:57:45 AM
 Modified: 10/11/2011 11:20:52 AM

Electropherogram Summary Continued ...

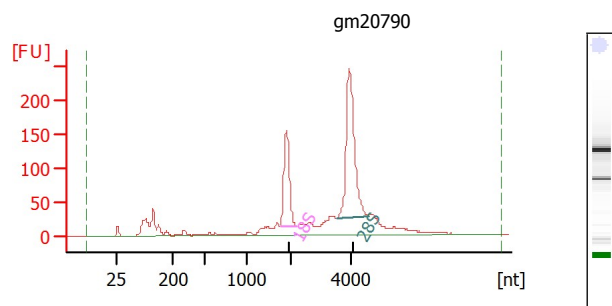


Overall Results for sample 4 : gm20516

RNA Area: 1,828.8
 RNA Concentration: 1,095 ng/μl
 rRNA Ratio [28s / 18s]: 3.3
 RNA Integrity Number (RIN): 8.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.90

Fragment table for sample 4 : gm20516

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,742	2,119	201.3	11.0
28S	2,869	5,235	658.4	36.0

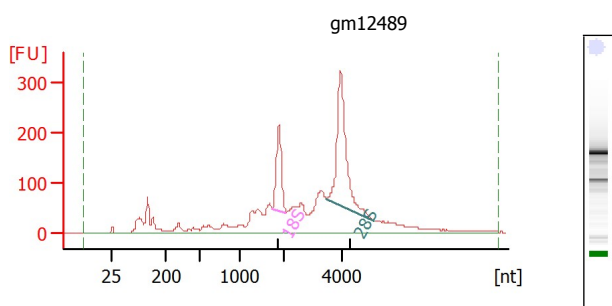


Overall Results for sample 5 : gm20790

RNA Area: 1,742.9
 RNA Concentration: 1,043 ng/μl
 rRNA Ratio [28s / 18s]: 1.9
 RNA Integrity Number (RIN): 9.2 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.20

Fragment table for sample 5 : gm20790

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,737	2,186	248.2	14.2
28S	3,541	4,595	483.9	27.8

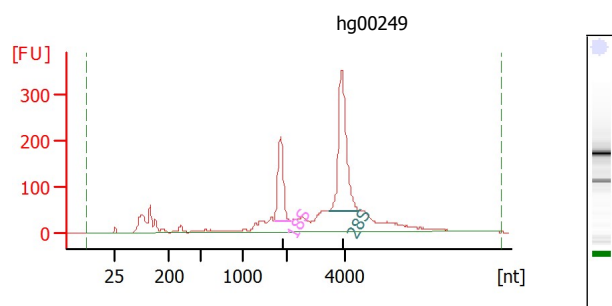


Overall Results for sample 6 : gm12489

RNA Area: 3,313.8
 RNA Concentration: 1,983 ng/μl
 rRNA Ratio [28s / 18s]: 2.4
 RNA Integrity Number (RIN): 8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8

Fragment table for sample 6 : gm12489

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,720	2,065	280.2	8.5
28S	3,449	5,048	663.6	20.0



Overall Results for sample 7 : hg00249

RNA Area: 2,752.2
 RNA Concentration: 1,647 ng/μl
 rRNA Ratio [28s / 18s]: 2.1
 RNA Integrity Number (RIN): 8.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.80

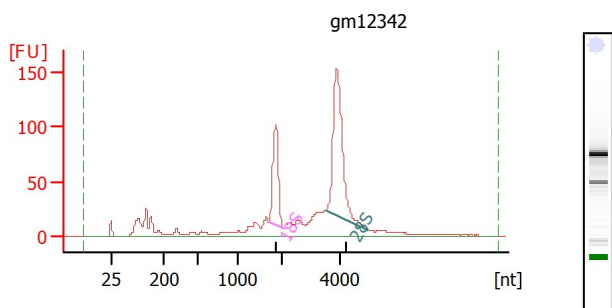
Fragment table for sample 7 : hg00249

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,708	2,122	321.7	11.7
28S	3,422	4,490	670.2	24.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-11_10-57-46.xad

Created: 10/11/2011 10:57:45 AM
 Modified: 10/11/2011 11:20:52 AM

Electropherogram Summary Continued ...

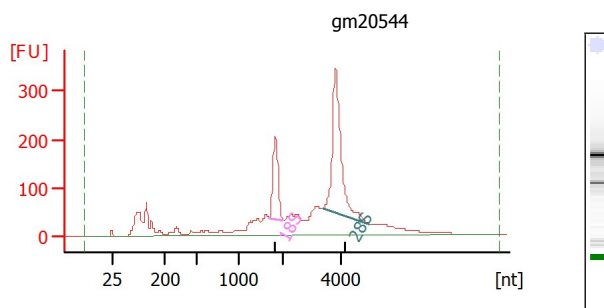


Overall Results for sample 8 : gm12342

RNA Area: 1,190.2
 RNA Concentration: 712 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:9

Fragment table for sample 8 : gm12342

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,705	2,061	161.2	13.5
28S	3,483	4,991	349.7	29.4

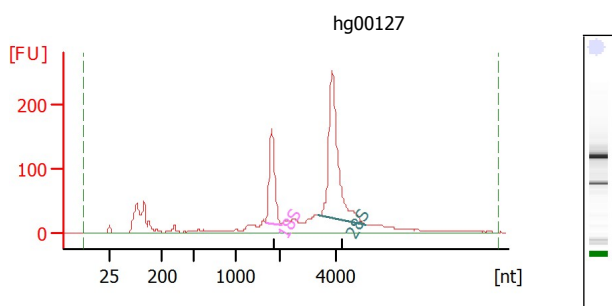


Overall Results for sample 9 : gm20544

RNA Area: 3,112.8
 RNA Concentration: 1,863 ng/μl
 rRNA Ratio [28s / 18s]: 2.6
 RNA Integrity Number (RIN): 8.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.40

Fragment table for sample 9 : gm20544

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,694	2,045	283.7	9.1
28S	3,368	4,996	729.1	23.4

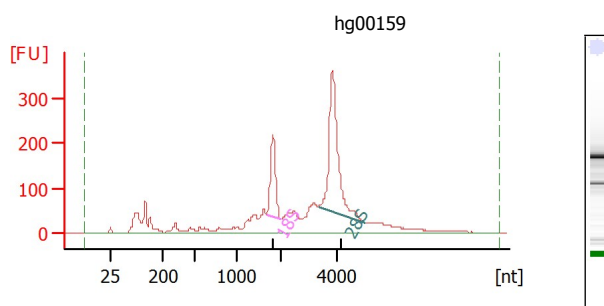


Overall Results for sample 10 : hg00127

RNA Area: 1,919.0
 RNA Concentration: 1,148 ng/μl
 rRNA Ratio [28s / 18s]: 2.3
 RNA Integrity Number (RIN): 9.3 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.30

Fragment table for sample 10 : hg00127

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,689	2,100	262.9	13.7
28S	3,373	5,041	594.2	31.0



Overall Results for sample 11 : hg00159

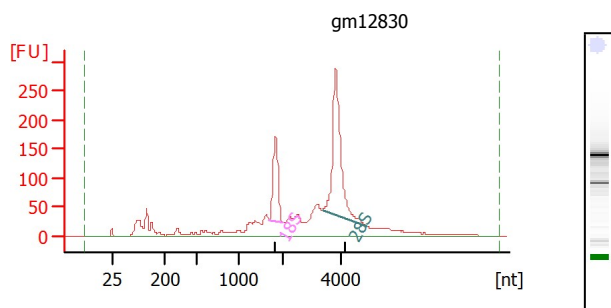
RNA Area: 3,202.3
 RNA Concentration: 1,917 ng/μl
 rRNA Ratio [28s / 18s]: 2.4
 RNA Integrity Number (RIN): 8.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.40

Fragment table for sample 11 : hg00159

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,689	2,056	311.9	9.7
28S	3,343	4,982	759.8	23.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-11_10-57-46.xad

Created: 10/11/2011 10:57:45 AM
Modified: 10/11/2011 11:20:52 AM

Electropherogram Summary Continued ...**Overall Results for sample 12 : gm12830**

RNA Area: 2,281.9
RNA Concentration: 1,366 ng/μl
rRNA Ratio [28s / 18s]: 2.4
RNA Integrity Number (RIN): 8.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.60

Fragment table for sample 12 : gm12830

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,703	2,031	237.8	10.4
28S	3,368	4,953	577.3	25.3